

# WEST Search History

DATE: Friday, June 13, 2003

## Set Name Query

side by side

## Hit Count Set Name

result set

*DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ*

L1	electrode near10 (polymer or polymeric)	25660	L1
L2	(membrane or diaphragm or separator or filter) near10 (paper or cellulose or cellulosic)	72047	L2
L3	<del>l1 same L2</del>	163	L3
L4	<del>L3 and (cell or battery or capacitor)</del>	139	L4
L5	<del>L4 and (204/\$.ccls. or 429/\$.ccls.)</del>	77	L5
L6	<del>L2 with (mat\$3 or mesh)</del>	3278	L6
L7	<del>L2 with (mat\$3 or mesh\$2)</del>	3299	L7
L8	<del>L1 same L7</del>	13	L8
L9	<del>L8 and (cell or battery or capacitor)</del>	13	L9
L10	L2 with (mat or matted or mesh or meshed)	1712	L10
L11	l1 same L10	7	L11

END OF SEARCH HISTORY

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**Search Results - Record(s) 1 through 7 of 7 returned.**☐ 1. Document ID: US 20030062257 A1

L11: Entry 1 of 7

File: PGPB

Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030062257

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030062257 A1

TITLE: Electrochemical cell comprising lamination of electrode and paper separator members

PUBLICATION-DATE: April 3, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gozdz, Antoni S.	Ocean Township	NJ	US	

US-CL-CURRENT: 204/252; 204/295

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 2. Document ID: US 20030035982 A1

L11: Entry 2 of 7

File: PGPB

Feb 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030035982

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030035982 A1

TITLE: Hybrid power device and method for manufacturing the same

PUBLICATION-DATE: February 20, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ryu, Kwang-sun	Daejon		KR	
Park, Yong-joon	Daejon		KR	
Chang, Soon-ho	Daejon		KR	

US-CL-CURRENT: 429/7; 429/188, 429/61

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 3. Document ID: US 20010021534 A1

L11: Entry 3 of 7

File: PGPB

Sep 13, 2001

PGPUB-DOCUMENT-NUMBER: 20010021534

PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20010021534 A1

TITLE: Multi-array, multi-specific electrochemiluminescence testing

PUBLICATION-DATE: September 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wohlstadter, Jacob N.	Rockville	MD	US	
Wilbur, James	Rockville	MD	US	
Sigal, George	Gaithersburg	MD	US	
Martin, Mark	Rockville	MD	US	
Guo, Liang-Hong	Laurel	MD	US	
Fischer, Alan	Cambridge	MA	US	
Leland, Jon	Silver Spring	MD	US	
Billadeau, Mark A.	Mt. Airy	MD	US	

US-CL-CURRENT: 436/518; 204/400, 204/403.14, 204/456, 204/606, 205/777.5, 422/52,  
422/82.08, 435/287.1, 435/287.2, 435/288.7, 435/6, 436/172, 436/524, 436/534

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 4. Document ID: US 6207369 B1

L11: Entry 4 of 7

File: USPT

Mar 27, 2001

US-PAT-NO: 6207369  
DOCUMENT-IDENTIFIER: US 6207369 B1

TITLE: Multi-array, multi-specific electrochemiluminescence testing

DATE-ISSUED: March 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wohlstadter; Jacob N.	Rockville	MD		
Wilbur; James	Rockville	MD		
Sigal; George	Gaithersburg	MD		
Martin; Mark	Rockville	MD		
Guo; Liang-Hong	Laurel	MD		
Fischer; Alan	Cambridge	MA		
Leland; Jon	Silver Spring	MD		
Billadeau; Mark A.	Mt. Airy	MD		

US-CL-CURRENT: 435/6; 204/400, 204/403.15, 422/50, 422/52, 422/55, 422/61,  
422/82.05, 422/82.07, 422/82.08, 435/287.1, 435/287.2, 435/288.7, 435/808, 435/810,  
435/968, 435/975, 436/164, 436/172, 436/518, 436/524, 436/534, 436/805

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 5. Document ID: US 5133843 A

L11: Entry 5 of 7

File: USPT

Jul 28, 1992

US-PAT-NO: 5133843  
DOCUMENT-IDENTIFIER: US 5133843 A

TITLE: Method for the recovery of metals from the membrane of electrochemical cells  
DATE-ISSUED: July 28, 1992

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Eisman; Glenn A.	Midland	MI		

US-CL-CURRENT: 205/559; 134/13, 205/568, 210/638, 210/670, 423/22, 521/26, 521/27

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc	Image
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☐ 6. Document ID: US 4656105 A

L11: Entry 6 of 7

File: USPT

Apr 7, 1987

US-PAT-NO: 4656105  
DOCUMENT-IDENTIFIER: US 4656105 A  
**\*\* See image for Certificate of Correction \*\***

TITLE: Iodine cell

DATE-ISSUED: April 7, 1987

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kobayashi; Sadao	Yokohama			JP
Sukawa; Hiroshi	Yokohama			JP
Yamamoto; Sadaaki	Yokohama			JP

US-CL-CURRENT: 429/213; 429/232

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc	Image
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☐ 7. Document ID: WO 9833222 A1 TW 434931 A

L11: Entry 7 of 7

File: DWPI

Jul 30, 1998

DERWENT-ACC-NO: 1998-428225  
DERWENT-WEEK: 200236  
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TITLE: Porous rigid composite battery separator for a storage battery - comprising a rigid porous wettable plate with at least one face covered with a compliant layer of material

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc	Clip Img	Image
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Terms	Documents
11 same L10	7

**Display Format:**

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L Number	Hits	Search Text	DB	Time stamp
1	1455	(matted fiber paper) and polymeric near5 matrix and electrode	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 13:07
7	304	((matted fiber paper) and polymeric near5 matrix and electrode) and separator	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 13:11
13	7	((matted fiber paper) and polymeric near5 matrix and electrode) and separator and polym	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 13:13
20	1	polymeric near5 matrix near5 electrode and matted adj fiber adj paper NEAR5 separator	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 13:21
26	1	polymeric near5 matrix near5 electrode and matted adj fiber adj paper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 15:05
32	184	polymeric near5 matrix near5 electrode	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 15:16
38	5	429/\$.ccls. and matted near10 paper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 17:15
44	1	429/\$.ccls. and matted near10 cellulose	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 16:01
50	478	429/\$.ccls. and paper near5 separator	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 16:01
56	391	429/\$.ccls. and paper near5 separator and electrode	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 16:02
62	9	(429/\$.ccls. and paper near5 separator) and matted	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 16:21
68	21	matted adj fib\$4 near5 paper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 16:34
74	2	matted adj fib\$4 near5 paper and electrode	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 16:23
80	2	matted adj fib\$4 near5 paper and electrode	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 16:57
86	24	matted adj fib\$4 and separator	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 16:58
92	10	matted adj fib\$4 and separator and electrode	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 17:00
98	7	matted adj fib\$4 and separator and electrode and paper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 17:00

104	3	429/\$.ccls. and matted adj fiber	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 17:20
110	2	429/\$.ccls. and matted adj fiber and paper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 17:20
-	1	204/252.ccls. and matted near10 fiber near10 paper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 11:16
-	7	204/252.ccls. and matted near10 fiber	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 11:09
-	117	matted near10 fiber near10 paper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 11:17
-	4	matted near10 fiber near10 paper and 429/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 11:20
-	0	matted near10 fiber near10 paper and 429/\$.ccls. and polymeric adj matrix	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 11:19
-	0	matted near10 fiber near10 paper and 429/\$.ccls. and polymer adj matrix	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 11:20
-	24	204/252.ccls. and fib\$5 adj mat	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 11:30
-	11	204/252.ccls. and fib\$5 adj mat and paper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 11:46
-	57	204/\$.ccls. and fibrous adj mat	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 11:47
-	10	204/\$.ccls. and fibrous adj mat and 204/295.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 11:47
-	13	204/\$.ccls. and fibrous adj mat and 204/296.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 11:48
-	3	204/\$.ccls. and fibrous adj mat and 204/296.ccls. and paper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 11:52
-	5	fibrous NEAR matted NEAR paper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 11:59
-	2	fibrous NEAR matted NEAR paper and electrode	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 12:01
-	0	fibrous NEAR5 matted NEAR5 paper and 204/295.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 12:02
-	0	fibrous NEAR10 matted NEAR10 paper and 204/295.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 12:02

-	40	fibrous NEAR10 matted NEAR10 paper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 12:02
-	4	fibrous NEAR10 matted NEAR10 paper and poly\$5 near10 matrix	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 12:56
-	63	204/282.ccls. and paper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 12:59
-	1	204/282.ccls. and paper and matted	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/13 13:03